

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1260	(TAMURA.in. or YASUKI.in. or KAWASHIMA.in. or KAZUHITO.in. or TODA.in. or HITOSHI.in.) and (exhaust near3 gas) and (engine)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 10:21
S2	511	(TAMURA.in. or YASUKI.in. or KAWASHIMA.in. or KAZUHITO.in. or TODA.in. or HITOSHI.in.) and (exhaust near3 gas) and (engine) and (cataly\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 10:21
S3	44	(TAMURA.in. or YASUKI.in. or KAWASHIMA.in. or KAZUHITO.in. or TODA.in. or HITOSHI.in.) and (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 10:33

## EAST Search History

S4	35	(TAMURA.in. or YASUKI.in. or KAWASHIMA.in. or KAZUHITO.in. or TODA.in. or HITOSHI.in.) and (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 10:33
S5	59	(TAMURA.in. or YASUKI.in. or KAWASHIMA.in. or KAZUHITO.in. or TODA.in. or HITOSHI.in.) and (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) and (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 10:32
S6	45	(TAMURA.in. or YASUKI.in. or KAWASHIMA.in. or KAZUHITO.in. or TODA.in. or HITOSHI.in.) and (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) same (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 10:33
S7	102	((exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) and (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) ).CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 10:33

## EAST Search History

S8	77	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) same (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) ).CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 11:17
S9	102	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) ).CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 10:35
S10	51	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) ).CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 11:16
S11	32	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and (oxygen)).CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 11:16

## EAST Search History

S12	16	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (tim\$4 near4 ratio)).CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 11:16
S13	3414	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) same (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) )	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 11:17
S14	1748	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and (oxygen))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 11:17
S15	1242	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (tim\$4 near4 ratio))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 11:19

## EAST Search History

S16	1956	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) )	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 11:17
S17	990	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and (tim\$4 near4 ratio))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 11:20
S18	926	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and (tim\$4 near4 ratio) and (oxygen))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 11:21
S19	446	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and (tim\$4 near2 ratio) and (oxygen))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 11:23

## EAST Search History

S20	319	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near2 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and (tim\$4 near2 ratio) and (oxygen))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 12:54
S21	43	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and (tim\$4 near2 ratio) and (oxygen) and ((forc\$4 or automat\$4) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) )	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 11:42
S22	16	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and (tim\$4 near2 ratio) and (oxygen) and ((forc\$4 or automat\$4) near2 (modulat\$4 or fluctuat\$4 or alternat\$4)) )	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 12:12
S23	20	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and (tim\$4 near4 ratio) and (oxygen) and ((forc\$4 or automat\$4) near2 (modulat\$4 or fluctuat\$4 or alternat\$4)))°)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 11:24

## EAST Search History

S24	51	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and (tim\$4 near4 ratio) and (oxygen) and ((forc\$4 or automat\$4) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) )	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 11:43
S25	34	S24 not (shell near2 oil)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 11:43
S26	34	S24 not (shell near oil)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 12:14
S27	319	S20 not (shell near oil)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 11:44

## EAST Search History

S28	2	"11107831"	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 12:07
S29	50	(exhaust near3 gas) and (engine) and (TOYODA.in. and KATSUHIKO.in.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 12:00
S30	23	(exhaust near3 gas) and (engine) and (cataly\$4) and (TOYODA.in. and KATSUHIKO.in.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 12:00
S31	2	"4744344".pn.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 12:08



## EAST Search History

S32	39	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and ((forc\$4 or automat\$4) near2 (modulat\$4 or fluctuat\$4 or alternat\$4)) )	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 12:12
S33	37	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and ((forc\$4 ) near2 (modulat\$4 or fluctuat\$4 or alternat\$4)) )	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 12:14
S34	123	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and ((forc\$4 ) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) )	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 12:14
S35	33	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and (oxygen) and ((forc\$4 or automat\$4) near2 (modulat\$4 or fluctuat\$4 or alternat\$4)) )	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 12:13

## EAST Search History

S36	123	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and ((forc\$4 ) near4 (modulat\$4 or fluctuat\$4 or alternat\$4)) )	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 12:14
S37	61	S36 not (shell near oil)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 12:14
S38	24	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near2 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and ((forc\$4 or automat\$4) near2 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (oxygen))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 13:06
S39	151	((exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near2 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and ((forc\$4 or automat\$4) same (modulat\$4 or fluctuat\$4 or alternat\$4)) and (oxygen))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 14:05

## EAST Search History

S40	131	( (exhaust near3 gas) and (engine) and (cataly\$4) and ((air or fuel) near2 (modulat\$4 or fluctuat\$4 or alternat\$4)) and (rich\$4 and lean\$4) and ((forc\$4 ) same (modulat\$4 or fluctuat\$4 or alternat\$4)) and (oxygen))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/12/04 14:05
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